505980312 03/23/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

EPAS ID: PAT6027020

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| LAURA R. FONTAINE | 12/12/2017 |
| JOSEPH N. MARZIN | 12/12/2017 |
| SAUL A. TORRICO | 12/14/2017 |

RECEIVING PARTY DATA

| Name: | COMMSCOPE TECHNOLOGIES LLC |
|-----------------|----------------------------|
| Street Address: | 1100 COMMSCOPE PLACE SE |
| City: | HICKORY |
| State/Country: | NORTH CAROLINA |
| Postal Code: | 28602 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16649881 |

CORRESPONDENCE DATA

Fax Number: (952)465-0771

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 952-465-0770

Email: docketing@fogglaw.com

FOGG & POWERS LLC/COMMSCOPE **Correspondent Name:**

Address Line 1: 4600 W 77TH ST

Address Line 2: SUITE 305

Address Line 4: MINNEAPOLIS, MINNESOTA 55435

| ATTORNEY DOCKET NUMBER: | 3568/100.1758US01 | |
|-------------------------|-----------------------|--|
| NAME OF SUBMITTER: | DENISE A. SCHULLO | |
| SIGNATURE: | / Denise A. Schullo / | |
| DATE SIGNED: | 03/23/2020 | |

Total Attachments: 3

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> **PATENT REEL: 052197 FRAME: 0729** 505980312

ASSIGNMENT

WHEREAS, we, Laura R Fontaine, residing at 1552 Hunting Ave, McLean, VA; Joseph N. Marzin, residing at 47057 Kentwell Place, Potomac Falls, VA; Saul A. Torrico, residing at 8040 Rising Ridge Rd, Bethesda, VA; , made certain new and useful inventions and improvements for which a provisional patent application was filed on December 8, 2017 and assigned U.S. Serial No. 62/596,645, entitled METHODS AND SYSTEMS FOR DETERMINING MORPHOLOGY DATA (the "Application").

AND WHEREAS, CommScope Technologies LLC, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 1100 CommScope Place SE, Hickory, NC 28602, United States, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to the inventions, improvements and the Application;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the Application, and in and to the Application, all patent applications claiming benefit of the Application, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration identified above, we do agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to the Assignee, its successors and representatives all facts known to us relating to the improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in the Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with the Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

PATENT REEL: 052197 FRAME: 0730

| PAGE 2 OF 3 | |
|--|--|
| IN TESTIMONY WHEREOF, I have here | unto set my hand this 12 day of December, |
| 20 | Laura Gentaine |
| STATE of A | Laura R Fontaine |
|)ss. COUNTY of Loudown) | |
| On this 12 day of Dicember | 2017, before me personally appeared Laura R Fontaine to |
| me known to be the person described herein and whacknowledged to me that he executed the same for the same fo | |
| [SEAL] | Mercedies Kembuly June |
| | Notary Public |
| | Mercedies Kimberly Perry NOTARY PUBLIC |
| A STATE OF THE STA | Commonwealth of Virginia My Commission Expires 9/30/2016 |
| | |
| IN TESTIMONY WHEREOF, I have herei | |
| IN TESTIMONY WHEREOF, I have here | |
| IN TESTIMONY WHEREOF, I have here 20_17 | unto set my hand this 12 day of December, |
| 20_17 | |
| 20_17 | unto set my hand this 12 day of December, |
| 20 <u>17</u> . STATE of | unto set my hand this 12 day of December, |
| 20 <u>17</u> . STATE of | unto set my hand this 12 day of December, |
| STATE of | Joseph N. Marzin |
| STATE of | unto set my hand this 12 day of December, Joseph N. Marzin 2017, before me personally appeared Joseph N. Marzin to |
| STATE of | Joseph N. Marzin 2017, before me personally appeared Joseph N. Marzin to no executed the foregoing instrument, and he duly |
| STATE of | Joseph N. Marzin 2017, before me personally appeared Joseph N. Marzin to no executed the foregoing instrument, and he duly |
| STATE of | Joseph N. Marzin 2017, before me personally appeared Joseph N. Marzin to no executed the foregoing instrument, and he duly |
| STATE of | Joseph N. Marzin 2017, before me personally appeared Joseph N. Marzin to no executed the foregoing instrument, and he duly the uses and purposes therein set forth. Macedia Hambul Jem |
| STATE of | Joseph N. Marzin 2017, before me personally appeared Joseph N. Marzin to no executed the foregoing instrument, and he duly |
| STATE of | Joseph N. Marzin 2017, before me personally appeared Joseph N. Marzin to no executed the foregoing instrument, and he duly the uses and purposes therein set forth. Macedia Hambul Jem |
| STATE of | Joseph N. Marzin 2017, before me personally appeared Joseph N. Marzin to no executed the foregoing instrument, and he duly the uses and purposes therein set forth. Macedia Hambul Jenn Notary Public |
| STATE of | Joseph N. Marzin 2017, before me personally appeared Joseph N. Marzin to no executed the foregoing instrument, and he duly the uses and purposes therein set forth. Macedia Hambul Leman Notary Public Mercedies Kimberly Perry |
| STATE of | Joseph N. Marzin 2017, before me personally appeared Joseph N. Marzin to no executed the foregoing instrument, and he duly the uses and purposes therein set forth. Macedia Hambul Jenn Notary Public |

Title: METHODS AND SYSTEMS FOR DETERMINING MORPHOLOGY DATA

Assignment

PATENT REEL: 052197 FRAME: 0731

| Title: METHODS AND SYSTEMS FOR DETERMINING MORPHOLOGY DATA ATTORNEY DOCKET: 100.1758USPR PAGE 3 OF 3 | |
|--|----------|
| IN TESTIMONY WHEREOF, I have hereunto set my hand this 14 day of Decken ba | <u>Y</u> |
| 20 17. Said a. Totra | |
| STATE of Saul A. Torrico | |
|)ss. COUNTY of Loudoup | |
| On this /4 day of December, 2017, before me personally appeared Saul A. Torrico | o to me |
| known to be the person described herein and who executed the foregoing instrument, and he duly acknown | wledged |
| to me that he executed the same for the uses and purposes therein set forth. | |
| | |

Mercedies Kimberly Petry NOTARY PUBLIC Commonwealth of Virginia My Commission Expires 9/30/2016

> PATENT REEL: 052197 FRAME: 0732

RECORDED: 03/23/2020

Assignment